

**ASCE – INDOT
STRUCTURAL COMMITTEE
MEETING NO. 62 MINUTES**

**February 25, 2014
9:00 am, INDOT Room N642**

The meeting was called to order at 9:00 a.m. by Anne Rearick. Those in attendance were:

Anne Rearick	INDOT, Bridge Division
Elizabeth Phillips	INDOT, Bridge Division
Naveed Burki	INDOT, Bridge Division
Mahmoud Hailat	INDOT, Bridge Division
Merril Dougherty	INDOT, Structural Services
Jason Yeager	Gohmann Asphalt Company
Jim Reilman	INDOT, Construction Management
Mike Wenning	GAI Consultants, Inc.
Mike McCool	Beam Longest & Neff, LLC.
Michael Eichenauer	Butler, Fairman and Seufert, Inc.
Burleigh Law	HNTB Corp.
Kurt Heidenreich	Engineering Resources, Inc.
Celeste Spaans	Prestress Services, Inc.
Elizabeth Zurawska	INDOT, Bridge Division
Wendy Chiles	INDOT, Bridge Division
Tony Zander	INDOT, Highway Management Division
Troy Jessop	R. W. Armstrong

In addition to the attendees, these minutes will be sent to the following:

Keith Hoernschmeyer	Federal Highway Administration
Tom Harris	INDOT, Construction Management
Michael Matel	Butler, Fairman and Seufert, Inc.
Mike Halterman	USI Consultants, Inc.

1. INDOT Bridge Design Conference Summary (McCool)
 - a. No action was taken
2. PTFE Design Requirement (Eichenauer)
 - a. Mike McCool and Mike Wenning will help with this.
3. Bearing Pad Details (Jessop, Eichenauer)
 - a. Troy provided some changes and will distribute to the committee for comments.
 - b. Changes must be approved by FHWA
 - c. All bevel plates must be galvanized except under joints, which must be stainless.
4. Concrete mix designs (Law, Reilman, Zander)
 - a. Many specifications are in circulation now.
 - b. Internally cured high performance concrete was developed by Purdue.
 - i. Specification revised in 2013 due to constructability issues.
 - ii. FHWA says it's proprietary since there are only 2 producers of the expanded shale.
 - iii. FHWA allowed INDOT to build 6 "test" projects. INDOT has requested 2 more for 2014 construction season.
 - iv. Intended to solve early shrinkage problems.
 - c. Lightweight (Class LW)

- i. Unique special provision for beams written by Tony Zander in 2012.
 - ii. Special provision for decks rewritten in 2013.
 - iii. Decks must use removable forms and not freeze during cure.
 - d. Semi-lightweight (Class SL)
 - i. Older special provision.
 - ii. Considered economical since all design build contractors prefer to use it.
- 5. Pavement Ledge Details (Phillips)
 - a. Passed by Standards Committee for issue September 2014.
- 6. Approach Slab Reinforcing (Phillips, Hailat)
 - a. Passed by Standards Committee for issue September 2014.
 - b. Not saw cutting longitudinal joints.
 - c. Surface sealing will be required.
- 7. Prestressed Beam Notching (Jessop, Halterman)
 - a. Troy will provide changes for committee comments.
- 8. Standard Beam Detail Sheets (Phillips/Law) (see attachment)
 - a. Finalized for now.
 - b. Committee to use on projects and provide comments to Elizabeth.
- 9. Software Practice Pointers (McCool)
 - a. Mike will clean up wording and post.
- 10. Stay-in-Place metal form details (Phillips/McCool) (see attachment)
 - a. Elizabeth will edit the IDM.
 - b. Details will be required in plans.
- 11. Steel Diaphragm Details for Hybrid Girders (Phillips) (see attachment)
 - a. Any comments to Elizabeth by March 2014.
- 12. Steel Diaphragm Details for steel beams (McCool) (see attachment)
 - a. Anne received comments from the steel industry and will incorporate.
- 13. MSE walls and riprap turnouts (Phillips, McCool) (see attachment)
 - a. Still needs review.
- 14. Prestressed Beam Camber and Shipping Strands (Reilman, Heidenreich, Hailat, Halterman)
 - a. In process. Still reviewing DOT information.
 - b. Kurt will split tasks into 3 separate groups to tackle.
- 15. Post Tensioning Specs (Zurawska, Phillips) (see attachment)
 - a. Troy will work with Tony Zander to review draft specifications.
- 16. IDM 407 Steel Chapter Figure Updates (McCool, Law)
 - a. No action
- 17. Bifurcated Barriers (Jessop)
 - a. Wenning and Law will help with this.
- 18. Prestressed Beam Sleeves (Spaans) (see attachment)
 - a. Not discussed.

19. New Business

- a. Elastomeric bearings are being tested for every variation of beveled plate. Committee will look at a proposed specification change to eliminate this need. Coordinate this effort with Kenny Anderson.
- b. Domestic stainless steel may be difficult to obtain under the Buy American clause. Celeste will see if it is an issue for them.
- c. Standard Drawing joint opening sizes don't address the bridge skew. Mike McCool and Elizabeth Zurawska will address this.
- d. Field drilled holes with epoxy anchorage usage for rails and fences versus the use of preset anchors will be investigated. Burleigh Law and Elizabeth Phillips will research this.

The next meeting for the INDOT Structural Committee is scheduled for 9:00 a.m. on May 8, 2014, in room N642. Mike McCool will distribute an agenda prior to the meeting. This meeting was adjourned at 11:00 a.m.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'Michael Wenning', with a stylized flourish at the end.

Michael Wenning, P.E.
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